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| Exhibit R-2, RDT&E Budget Item Justification | | | | | | | | Date: 02/2000 | |
|--|-------|-------|-------|---|-------|-------|-------|------------------|------------|
| APPROPRIATION/BUDGET ACTIVITY | | | | R-1 ITEM NOMENCLATURE | | | | | |
| RDT&E, Defense Wide/Budget Activity 6 | | | | Unexploded Ordnance Detection & Clearance - PE 0603858D8Z | | | | | |
| COST (\$ in Millions) | FY 99 | FY 00 | FY 01 | FY 02 | FY 03 | FY 04 | FY 05 | Cost to Complete | Total Cost |
| Total PE Cost | 1.216 | 1.168 | 1.204 | 1.197 | .496 | .991 | .990 | Continuing | Continuing |

A. Mission Description and Budget Item Justification**Brief Description of Element**

This program element funds the Joint Unexploded Ordnance Coordination Office (JUXOCO) of the Unexploded Ordnance Center of Excellence (UXOCOE) to develop policy and provide oversight in coordinating requirements and technology in detection and clearance of unexploded ordnance (UXO) within the Department of Defense (DoD), as well as with other United States and international agencies, academia, and industry; to establish and maintain standards for testing, modeling, and the evaluation of unexploded ordnance detection and clearance technology; and to establish, gather, and maintain a database of the results of these efforts.

In response to a request from the House National Security Committee (HNSC) and concerns of the General Accounting Office (GAO), the Department of Defense submitted a plan in March 1997, "Report to Congress: Unexploded Ordnance Clearance: A Coordinated Approach to Requirements and Technology Development." This report was developed by a joint, inter-agency task force comprised of the proponents of the unexploded ordnance (UXO) clearance mission areas (active range clearance, humanitarian demining, countermining, explosive ordnance disposal, and environmental remediation). The report defined research and development priorities, program management, and cooperative activities for technology applicable to area ordnance clearance, also known as UXO clearance. The report also described a plan to maintain visibility over and leverage technology efforts within DoD, at other government agencies, and in private industry for the detection, neutralization, and disposal of UXO. In May 1997, the Under Secretary of Defense for Acquisition and Technology directed the establishment of the UXO Center of Excellence (UXOCOE) to implement this plan, and in October 1997, the Department established the operational arm of the UXOCOE, the Joint UXO Coordination Office (JUXOCO), which is collocated with the Night Vision Electronic Sensors Directorate at Ft. Belvoir, VA.

Program Accomplishments and Plans:**(U) FY 1999 Accomplishments:**

- Prepared and submitted report to Congress.
- Functioned as the focal point for UXO detection and clearance expertise.
- Promoted international cooperation and forged coordinated working research efforts in promising technologies.
- Developed and continuing to develop standards, test sites, test targets and test protocols. Selected and established common test sites, data formats, and metrics.
- Updated and maintained the UXO clearance/detection database and computer website to promote interaction and sharing of information, concepts and technology within DoD and with other US and international agencies, academia, and industry.

(U) FY 2000 Plans:

- Fully integrate industry requirements for UXO clearance equipment into UXO requirements process. (\$0.100 Million)

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|--|-------------|--------------|--------------|----------------|----------------|---------------|---------------|-----------------------|----------------------|
| <ul style="list-style-type: none">Establish protocols for evaluation of foreign UXO detection sensor data. (\$0.100 Million)Collocate two UXO experimental areas with existing UXO testing areas. Conduct scientific experiments to gather data on the performance of detection sensors at these locations. (\$0.868 Million)Update and maintain the UXO clearance/detection database and computer website to promote interaction and sharing of information, concepts and technology within DoD and with other US and international agencies, academia, and industry. (0.100 Million) | | | | | | | | | |
| (U) <u>FY2001 Plans:</u> | | | | | | | | | |
| <ul style="list-style-type: none">Conduct requirements and technology workshops to update the technological thrusts for UXO RDT&E. (\$0.100 Million)Integrate international and industrial research and equipment into a computerized database of UXO RDT&E to enhance information sharing. (\$0.100 Million)Collocate one UXO experimental area with an existing UXO testing area in a geologically unique local. Conduct scientific experiments to gather data on the performance of detection sensors at this location and previously established areas. (\$1.004Million) | | | | | | | | | |
| B. Program Change Summary: | | | | | | | | | |
| | | | | <u>FY 1999</u> | <u>FY 2000</u> | <u>FY2001</u> | | | |
| Previous President's Budget | | | | 1.259 | 1.226 | 1.221 | | | |
| Inflation Savings, Government-wide Rescission | | | | (0.043) | (0.058) | (0.017) | | | |
| Current Budget | | | | 1.216 | 1.168 | 1.204 | | | |
| C. Other Program Funding Summary: PE 0602712A | | | | | | | | | |
| <u>PY</u> | <u>FY98</u> | <u>FY 99</u> | <u>FY 00</u> | <u>FY 01</u> | <u>FY 02</u> | <u>FY 03</u> | <u>FY 04</u> | To <u>Complete</u> | Total <u>Cost</u> |
| 0 | 1.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | Continuing | Continuing |
| D. Acquisition Strategy: Not Applicable | | | | | | | | | |
| E. Schedule Profile: Not Applicable | | | | | | | | | |

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| Exhibit R-2a, RDT&E Project Justification | | | | | | | Date: 02/2000 | | |
| APPROPRIATION/BUDGET ACTIVITY | | PROGRAM ELEMENT | | PROJECT NAME AND NUMBER | | | | | |
| RDT&E, Defense Wide Budget Activity 6 | | PE 0603858D8Z | | Unexploded Ordnance Detection and Clearance | | | | | |
| COST (\$ in Millions) | FY 99 | FY 00 | FY 01 | FY 02 | FY 03 | FY 04 | FY 05 | Cost to Complete | Total Cost |
| Total PE Cost | 1.216 | 1.168 | 1.204 | 1.197 | .496 | .991 | .990 | Continuing | Continuing |
| RDT&E Articles Qty | | | | | | | | | |
| A. Mission Description and Budget Item Justification | | | | | | | | | |
| Brief Description of Element | | | | | | | | | |
| <p>This program element funds the Joint Unexploded Ordnance Coordination Office (JUXOCO) of the Unexploded Ordnance Center of Excellence (UXOCOE) to develop policy and provide oversight in coordinating requirements and technology in detection and clearance of unexploded ordnance (UXO) within the Department of Defense (DoD), as well as with other United States and international agencies, academia, and industry; to establish and maintain standards for testing, modeling, and the evaluation of unexploded ordnance detection and clearance technology; and to establish, gather, and maintain a database of the results of these efforts.</p> <p>In response to a request from the House National Security Committee(HNSC) and concerns of the General Accounting Office (GAO), the Department of Defense submitted a plan in March 1997, "Report to Congress: Unexploded Ordnance Clearance: A Coordinated Approach to Requirements and Technology Development." This report was developed by a joint, inter-agency task force comprised of the proponents of the unexploded ordnance (UXO) clearance mission areas (active range clearance, humanitarian demining, countermines, explosive ordnance disposal, and environmental remediation). The report defined research and development priorities, program management, and cooperative activities for technology applicable to area ordnance clearance, also known as UXO clearance. The report also described a plan to maintain visibility over and leverage technology efforts within DoD, at other government agencies, and in private industry for the detection, neutralization, and disposal of UXO. In May 1997, the Under Secretary of Defense for Acquisition and Technology directed the establishment of the UXO Center of Excellence (UXOCOE) to implement this plan, and in October 1997, the Department established the operational arm of the UXOCOE, the Joint UXO Coordination Office (JUXOCO), which is collocated with the Night Vision Electronic Sensors Directorate at Ft. Belvoir, VA.</p> | | | | | | | | | |
| Program Accomplishments and Plans: | | | | | | | | | |
| (U) FY 1999 Accomplishments: | | | | | | | | | |
| <ul style="list-style-type: none">• Prepared and submitted report to Congress.• Functioned as the focal point for UXO detection and clearance expertise.• Promoted international cooperation and forged coordinated working research efforts in promising technologies.• Developed and continue to develop standards, test sites, test targets and test protocols. Selected and established common test sites, data formats, and metrics.• Updated and maintained the UXO clearance/detection database and computer website to promote interaction and sharing of information, concepts and technology within DoD and with other US and international agencies, academia, and industry. | | | | | | | | | |

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(U) FY 2000 Plans:

- Fully integrate industry requirements for UXO clearance equipment into UXO requirements process. (\$0.100 Million)
- Establish protocols for evaluation of foreign UXO detection sensor data. (\$0.100 Million)
- Collocate two UXO experimental areas with existing UXO testing areas. Conduct scientific experiments to gather data on the performance of detection sensors at these locations. (\$0.868Million)
- Update and maintain the UXO clearance/detection database and computer website to promote interaction and sharing of information, concepts and technology within DoD and with other US and international agencies, academia, and industry. (0.100 Million)

(U) FY2001 Plans:

- Conduct requirements and technology workshops to update the technological thrusts for UXO RDT&E. (\$0.100 Million)
- Integrate international and industrial research and equipment into a computerized database of UXO RDT&E to enhance information sharing. (\$0.100 Million)
- Collocate one UXO experimental area with an existing UXO testing area in a geologically unique local. Conduct scientific experiments to gather data on the performance of detection sensors at this location and previously established areas. (\$1.004Million)

(U) FY2002 Plans:

- Conduct requirements and technology workshops to update the technological thrusts for UXO RDT&E. Develop business opportunity. (\$0.150 Million)
- Integrate international, industrial, academic, and laboratory research and equipment into a computerized database of UXO RDT&E to enhance information sharing. (\$0.100 Million)
- Conduct scientific experiments to gather data on the performance of detection sensors at this location and previously established areas. (\$.947Million)

B. Other Program Funding Summary: PE 0602712A

| <u>PY</u> | <u>FY98</u> | <u>FY 99</u> | <u>FY 00</u> | <u>FY 01</u> | <u>FY 02</u> | <u>FY 03</u> | <u>FY 04</u> | <u>Complete</u> | <u>Total</u> |
|-----------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|--------------|
| 0 | 1.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | Continuing | Continuing |

C. Acquisition Strategy: Not Applicable

D. Schedule Profile: Not Applicable

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